PI3 Kinase p85 (Phospho Tyr458)/p55 (Phospho Tyr199) Rabbit mAb (AR1853)

Key Features

Host Species:	Rabbit
Reactivity:	Human,Mouse,Rat
Applications:	WB,IF,ELISA
Isotype:	IgG,Kappa
MW:	84kDa,54kDa (Calculated) 84kDa,54kDa (Observed)

Recommended Dilution Ratios

WB:	1:1000-5000
IF:	1:200-1000
ELISA	1:5000-20000

Storage

-15°C to -25°C/1 year (Do not lower than -25°C)

Basic Information

Clonality	Monoclonal

Immunogen Information

Specificity	PI3 Kinase p85 (Phospho Tyr458)/p55 (Phospho Tyr199) detects endogenous levels of PI3 kinase p85/p55 only when phosphorylated at Human:Y467/Y199, Mouse:Y467/Y199, Rat:Y467/Y199..The name of modified sites may be influenced by many factors, such as species (the modified site was not originally found in human samples) and the change of protein sequence (the previous protein sequence is incomplete, and the protein sequence may be prolonged with the development of protein sequencing technology). When naming, we will use the "numbers" in historical reference to keep the sites consistent with the reports. The antibody binds to the following modification sequence (lowercase letters are modification sites):RLyEE

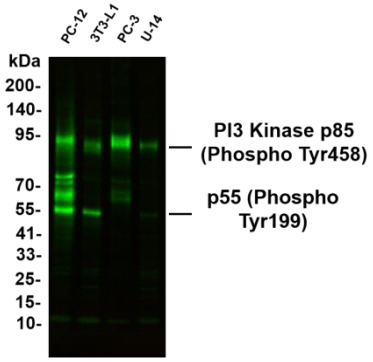
Target Information

Gene name	PIK3R1/PIK3R2/PIK3R3
Protein Name	Phosphatidylinositol 3-kinase regulatory subunit alpha/ beta/ gamma

Organism	Gene ID	UniProt ID
Human	5295	P27986; Q92569; O00459
Mouse	18708; 18709; 18710	O08908
Rat	25513; 60664	Q63787; Q63788; Q63789

Cellular Localization	nucleus, cytoplasm, cis-Golgi network, cytosol, plasma membrane, cell-cell junction, phosphatidylinositol 3-kinase complex, phosphatidylinositol 3-kinase complex, class IA, membrane, perinuclear endoplasmic reticulum membrane,
Tissue specificity	Isoform 2 is expressed in skeletal muscle and brain, and at lower levels in kidney and cardiac muscle. Isoform 2 and isoform 4 are present in skeletal muscle (at protein level).

Validation Data



Various whole cell lysates were separated by 4-20% SDS-PAGE, and the primary antibody was used at 4℃ overnight with a 1:2500 dilution. The Dylight 800-conjugated Goat anti-rabbit antibody was used to detect the antibody.
Lane1: PC-12
Lane2: 3T3-L1
Lane3: PC-3
Lane4: U-14
Predicted band size: 84 kDa, 54 kDa
Observed band size: 84 kDa, 54 kDa

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